

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10 (cancelled)

11. **(New)** A device for moving and positioning an object in space, the device comprising
 - a base element (1),
 - at least three motor/gearing units (5) disposed on the base element (1),
 - a common supporting element (3) on which at least one gripping means for gripping of an object is disposed,
 - at least three arms (2) each having a first end connected to a motor/gearing unit (5) and a second end hinge-connected to the common supporting element (3),
 - the motor/gearing units (5) being disposed in such a manner in a plane defined by the base element (1) or in a plane running parallel thereto that they form the sides of an imaginary polygon,
 - the motor/gearing unit (5) having a gearing (52), at least one gear step of which is tensioned, and
 - the gearing (52), by virtue of material-locking and/or positive-locking connection of gearing components, being free or virtually free from backlash over the whole of the motional range of the gearing (52).

12. **(New)** The device as claimed in claim 11, wherein precisely three arms (2) and precisely three motor/gearing units (5) are present, and wherein one each of the motor/gearing units (5) is disposed on one side each of an imaginary triangle.

13. **(New)** The device as claimed in claim 12, wherein the imaginary triangle is equilateral.

14. **(New)** The device as claimed in claim 11, further comprising a telescopic fourth shaft (4) connected to the carrier element (3).

15. **(New)** The device as claimed in claim 12, further comprising a telescopic fourth shaft (4) connected to the carrier element (3).

16. **(New)** The device as claimed in claim 13, further comprising a telescopic fourth shaft (4) connected to the carrier element (3).

17. **(New)** The device as claimed in claim 11, wherein the motor/gearing unit (5) comprises at least one gear step, at least one of these gear steps, preferably all, having coaxially running rotation axes on the drive side and the power-take-off side, and a motor (50) which is coaxially connected to this at least one gear step.

18. **(New)** The device as claimed in claim 12, wherein the motor/gearing unit (5) comprises at least one gear step, at least one of these gear steps, preferably all, having coaxially running rotation axes on the drive side and the power-take-off side, and a motor (50) which is coaxially connected to this at least one gear step.

19. (New) The device as claimed in claim 11, wherein the gearing (52) is a planetary gearing, and wherein the planetary gearing has planet wheels which mesh between a sun wheel and a ring wheel, are respectively fixed by a planet wheel bolt to a planet carrier and are mounted rotatably about the respective planet wheel bolt.

20. (New) The device as claimed in claim 17, wherein the gearing (52) is a planetary gearing, and wherein the planetary gearing has planet wheels which mesh between a sun wheel and a ring wheel, are respectively fixed by a planet wheel bolt to a planet carrier and are mounted rotatably about the respective planet wheel bolt.

21. (New) The device as claimed in claim 11, wherein the gearing (52) is a planetary gearing, and wherein the planetary gearing has planet wheels which mesh between a sun wheel and a ring wheel, the axes of the planet wheels being arranged offset in comparison to the axis of the sun wheel.

22. (New) The device as claimed in claim 12, wherein the gearing (52) is a planetary gearing, and wherein the planetary gearing has planet wheels which mesh between a sun wheel and a ring wheel, the axes of the planet wheels being arranged offset in comparison to the axis of the sun wheel.

23. (New) The device as claimed in claim 17, wherein the gearing (52) is a planetary gearing, and wherein the planetary gearing has planet wheels which mesh between a sun wheel and a ring wheel, the axes of the planet wheels being arranged offset in comparison to the axis of the sun wheel.

24. (New) The device as claimed in claim 11, wherein the gearing (52) is of single-step or multi-step configuration.

25. (New) The device as claimed in claim 17, wherein the gearing (52) is of single-step or multi-step configuration.

26. (New) The device as claimed in claim 19, wherein the gearing (52) is of single-step or multi-step configuration.

27. (New) The device as claimed in claim 11, wherein the gearing (52) is a combined spur-planetary gearing, at least one gear step being present, the drive-side axis of which runs axially offset relative to its axis on the power-take-off side.

28. (New) The device as claimed in claim 11, wherein the at least one tensioned gear step is tensioned in a rotationally symmetric manner.

29. (New) The device as claimed in claim 17, wherein the at least one tensioned gear step is tensioned in a rotationally symmetric manner.

30. (New) The device as claimed in claim 19, wherein the at least one tensioned gear step is tensioned in a rotationally symmetric manner.